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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet 1 of 3

Application Number	10/634,713
Filing Date	08-05-2003
First Named Inventor	Joseph Armand Picard
Art Unit	1614
Examiner Name	Unknown
Attorney Docket Number	PC25298A

U. S. PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
W		US- 10/071,032	02-08-2002	Dyer, et al
W		US- 2002/0156061 A1	10-24-2002	Barvian, et al
W		US- 2003/0004172 A1	01-02-2003	Harter, et al
W		US- 2003/0078276 A1	04-24-2003	Andrianjara, et al
W		US- 2002/0193377 A1	12-19-2002	Andrianjara, et al
W		US- 2002/0151558 A1	10-17-2002	Andrianjara, et al
W		US- 2002/0156069 A1	10-24-2002	Picard, et al
W		US- 6,656,932 B2	12-02-2003	Picard, et al
W		US- 2002/0161000 A1	10-31-2002	Barvian, et al
W		US- 2003/0087924 A1	05-08-2003	Sorenson
W		US- 2003/0144274 A1	07-31-2003	Bunker, et al
W		US- 2002/0151555 A1	10-17-2002	Barvian, et al
W		US- 2003/0130278 A1	07-10-2003	Gaudilliere, et al
W		US- 2003/0216402 A1	11-20-2003	Gaudilliere, et al
W		US- 2003/0220355 A1	11-27-2003	Gaudilliere, et al
W		US- 2004/0006077 A1	01-08-2004	Gaudilliere, et al
W		US- 10/634,531	08-05-2003	Johnson
W		US- 10/634,709	08-05-2003	Bunker, et al
W		US- 10/634,162	08-05-2003	Wilson

FOREIGN PATENT DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>4</sup> "Number" "Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
W		WO 02/064599 A1	08-22-2002	Dyer, et al
W		WO 02/064547 A2, A3	08-22-2002	Barvian, et al
W		WO 02/064598 A1	08-22-2002	Harter, et al
W		WO 02/064080 A2, A3	08-22-2002	Andrianjara, et al
W		WO 02/064572 A1	08-22-2002	Andrianjara, et al
W		WO 02/064595 A1	08-22-2002	Andrianjara, et al

Examiner Signature	V. Balusuntharam	Date Considered	12/26/05
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Sheet 2

of 3

Application Number	10/634,713
Filing Date	08-05-2003
First Named Inventor	Joseph Armand Picard
Art Unit	1614
Examiner Name	Unknown

Attorney Docket Number PC25298A

## U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
W		US- 10/634,473	08-05-2003	Bunker, et al	
W		US- 10/634,289	08-05-2003	Bunker, et al	
W		US- 10/634,180	08-05-2003	Bunker, et al	
W		US- 10/634,712	08-05-2003	Hicks, et al	
W		US- 10/634,181	08-05-2003	Li	
W		US- 10/634,489	08-05-2003	Roark	
W		US- 10/634,420	08-05-2003	Roark	
W		US- 10/634,716	08-05-2003	Nahra, et al	
W		US- 10/634,288	08-05-2003	O'Brien	
W		US- 10/634,717	08-05-2003	Nahra, et al	
W		US- 10/634,177	08-05-2003	Wilson	
W		US- 10/634,290	08-05-2003	Wilson	
W		US- 10/634,182	08-05-2003	Li	
W		US- 10/634,419	08-05-2003	Hicks, et al	
		US-			
W		US- 10/634,225	08-05-2003	Picard, et al	
W		US- 10/634,718	08-05-2003	Ortwine	
W		US- 10/739,261	12-18-2003	Bunker, et al	
		US-			

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
W		WO 02/064578 A1	08-22-2002	Picard, et al		
W		WO 02/064571 A1	08-22-2002	Barvian, et al		
W		WO 02/064568 A1	08-22-2002	Barvian, et al		
W		WO 03/032999 A1	04-23-2003	Bunker, et al		
W		WO 03/033478 A1	04-24-2003	Gaudilliere, et al		
W		WO 03/076417 A2, A3	09-18-2003	Gaudilliere, et al		

Examiner Signature

V. Bunker, et al.

Date Considered

12/26/05

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		Filing Date	08-05-2003
		First Named Inventor	Joseph Armand Picard
		Art Unit	1614
		Examiner Name	Unknown
		Attorney Docket Number	PC25298A
Sheet 3	of 3		

**U. S. PATENT DOCUMENTS**

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W		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)			T <sup>6</sup>
		WO 04/000322 A1	12-31-2003	Gaudilliere, et al	

Examiner Signature	<i>V. Balasubramanian</i>	Date Considered	12/26/05
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**Substitute for form 1449/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 1 of 4

**Complete if Known:**

Application Number	10/634,713
Filing Date	August 5, 2003
First Named Inventor	Joseph Picard
Art Unit	1624
Examiner Name	Rao, Deepak R.
Attorney Docket Number	PC 25298A

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear T <sup>6</sup>
M		WO 01/63244 A1	8/30/2001	Chen, et al.	
M		WO 00/09485 A1	2/24/2000	McClure, et al.	
M		WO 01/12611 A1	2/22/2001	Blagg, Julian	
M		WO 02/34726 A2	5/2/2002	Noe, et al.	
M		WO 02/34753 A2	5/2/2002	Bronk, et al.	
M		EP 0935963 A2	8/18/1999	McClure, et al	

Examiner Signature	V. Balusubramanian	Date Considered	12/26/05
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## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 4

**Complete if Known**

Application Number	10/634,713
Filing Date	August 5, 2003
First Named Inventor	Joseph Picard
Art Unit	1624
Examiner Name	Rao, Deepak R.
Attorney Docket Number	PC 25298A

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W		EP 1138680 A1	10/04/2001	Noe, Mark Carl	
W		CA 2,082,076	05/06/1993	Weidmann et al.	
IN		WO 00/44730	8/3/2000	Albright, et al.	
W		WO 02/64568	8/22/2002	Barvian, et al.	
W		WO 02/64578	8/22/2002	Picard, et al.	

**Examiner  
Signature**

V. Balwantrao

Date  
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12/26/05

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				Art Unit	1624
				Examiner Name	Rao, Deepak R.
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<b>NON PATENT LITERATURE DOCUMENTS</b>					
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W		CHEN, et al., Structure-Based Design of a Novel, Potent, and Selective Inhibitor for MMP-13 Utilizing NMR Spectroscopy and Computer-Aided Molecular Design, <i>J. Am. Chem. Soc.</i> , 2000, pp. 9648-9654, vol. 122			
M		LOVEJOY, et al., Crystal structures of MMP-1 and -13 reveal the structural basis for selectivity of collagenase inhibitors, <i>Nature Structural Biology</i> , 1999, pp. 217-221, vol. 6(3)			
M		MOY, et al., High-resolution Solution Structure of the Catalytic Fragment of Human Collagenase-3 (MMP-13) Complexed with Hydroxamic Acid Inhibitor, <i>J. Mol. Biol.</i> , 2000, pp. 671-689, vol. 302			
M		MITCHELL, et al., Cloning, Expression, and Type II Collagenolytic Activity of Matrix Metalloproteinase-13 from Human Osteoarthritic Cartilage, <i>J. Clin. Invest.</i> , 1996, pp. 761-768, vol. 97(3)			
M		NEUHOLD, et al., Postnatal expression in hyaline cartilage of constitutively active human collagenase-3 (MMP-13) induces osteoarthritis in mice, <i>J. Clin. Invest.</i> , 2001, pp 35-44, vol. 107 (1)			
M		DAHLBERG, et al., Selective Enhancement of Collagenase-Mediated Cleavage of Resident Type II Collagen in Cultured Osteoarthritic Cartilage and Arrest with a Synthetic Inhibitor that Spares Collagenase 1 (Matrix Metalloproteinase 1), <i>Arthritis &amp; Rheumatism</i> , 2000, pp. 673-682, vol. 43(3)			
M		BILLINGHURST, et al., Comparison of the Degradation of Type II Collagen and Proteoglycan in Nasal and Articular Cartilages Induced by Interleukin-1 and the Selective Inhibition of Type II Collagen Cleavage by Collagenase, <i>Arthritis &amp; Rheumatism</i> , 2000, pp. 664-672, vol. 43(3)			
M		BILLINGHURST, et al., Enhanced Cleavage of Type II Collagen by Collagenases in Osteoarthritic Articular Cartilage, <i>J. Clin. Invest.</i> , 1997, pp. 1534-1545, vol. 99(7)			
M		HIROTA, et al., Novel Synthesis of Pyrido[3,4-d]Pyrimidines, Pyrido[2,3-d]Pyrimidines, and Quinazolines Via Palladium-Catalyzed Oxidative Coupling, <i>Heterocycles</i> , 1994, pp 563-570, vol. 37(1)			
M		WERNICKE, et al., Cloning of Collagenase 3 from the Synovial Membrane and Its Expression in Rheumatoid Arthritis and Osteoarthritis, <i>J. Rheum.</i> , 1996, pp 590-595, vol. 23(4)			

Examiner Signature	V. Balasubramanian	Date Considered	12/26/08
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M		REBOUL, et al, The New Collagenase, Collagenase-3, Is Expressed and Synthesized by Human Chondrocytes but not by Synoviocytes, J. Clin. Invest., 1996, pp. 2011-2019, vol. 97(9)				
M		FREEMONT, et al., In situ zymographic localisation of type II collagen degrading activity in osteoarthritic human articular cartilage, Am Rheum Dis, 1999, pp. 357-365, vol. 58				
<del>Office Action mailed June 16, 2003, in U.S. Application No. 10/264,764 (19 Pages)</del>						
M		Search Report from International Application No. PCT/IB03/03613				

Examiner Signature	<i>WBaleson-Warren</i>	Date Considered	12/28/05
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